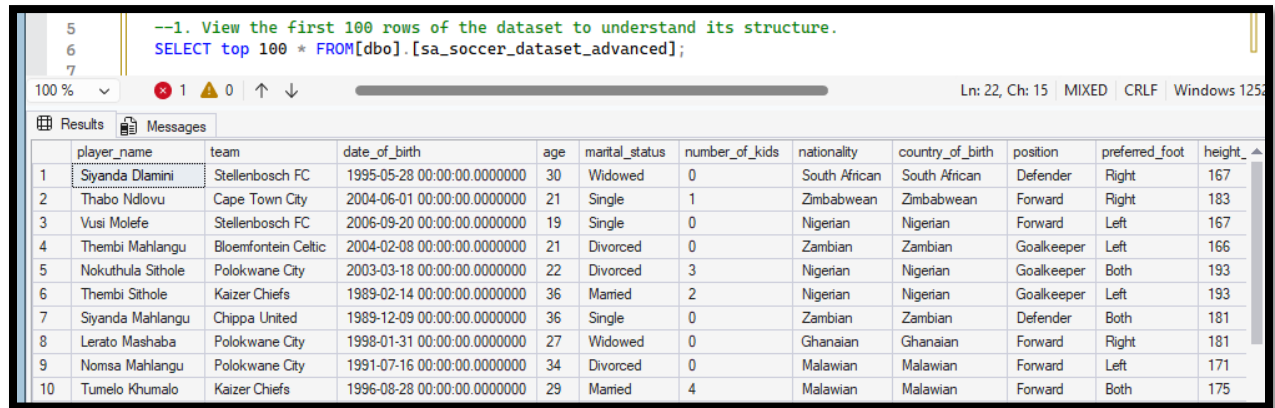


-- South African Soccer Dataset - SQL RESULTS

--1. View the first 100 rows of the dataset to understand its structure.

```
SELECT top 100 * FROM [dbo].[sa_soccer_dataset_advanced];
```



The screenshot shows a SQL Server query window with the following SQL code:

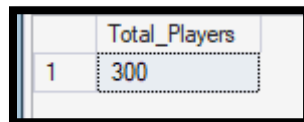
```
--1. View the first 100 rows of the dataset to understand its structure.
SELECT top 100 * FROM [dbo].[sa_soccer_dataset_advanced];
```

The results pane displays the first 10 rows of the dataset. The columns are: player_name, team, date_of_birth, age, marital_status, number_of_kids, nationality, country_of_birth, position, preferred_foot, and height.

	player_name	team	date_of_birth	age	marital_status	number_of_kids	nationality	country_of_birth	position	preferred_foot	height
1	Siyanda Dlamini	Stellenbosch FC	1995-05-28 00:00:00.0000000	30	Widowed	0	South African	South African	Defender	Right	167
2	Thabo Ndlovu	Cape Town City	2004-06-01 00:00:00.0000000	21	Single	1	Zimbabwean	Zimbabwean	Forward	Right	183
3	Vusi Molefe	Stellenbosch FC	2006-09-20 00:00:00.0000000	19	Single	0	Nigerian	Nigerian	Forward	Left	167
4	Thembi Mahlangu	Bloemfontein Celtic	2004-02-08 00:00:00.0000000	21	Divorced	0	Zambian	Zambian	Goalkeeper	Left	166
5	Nokuthula Sithole	Polokwane City	2003-03-18 00:00:00.0000000	22	Divorced	3	Nigerian	Nigerian	Goalkeeper	Both	193
6	Thembi Sithole	Kaizer Chiefs	1989-02-14 00:00:00.0000000	36	Married	2	Nigerian	Nigerian	Goalkeeper	Left	193
7	Siyanda Mahlangu	Chippa United	1989-12-09 00:00:00.0000000	36	Single	0	Zambian	Zambian	Defender	Both	181
8	Lerato Mashaba	Polokwane City	1998-01-31 00:00:00.0000000	27	Widowed	0	Ghanaian	Ghanaian	Forward	Right	181
9	Nomsa Mahlangu	Polokwane City	1991-07-16 00:00:00.0000000	34	Divorced	0	Malawian	Malawian	Forward	Left	171
10	Tumelo Khumalo	Kaizer Chiefs	1996-08-28 00:00:00.0000000	29	Married	4	Malawian	Malawian	Forward	Both	175

--2. Count the total number of players in the dataset.

```
SELECT COUNT(*) as Total_Players
FROM [dbo].[sa_soccer_dataset_advanced];
```



The screenshot shows a single row in the results pane with the column name Total_Players and the value 300.

	Total_Players
1	300

--3. List all unique teams in the league.

```
SELECT DISTINCT(Team) AS TEAM_NAME
FROM [dbo].[sa_soccer_dataset_advanced];
```



The screenshot shows a list of 16 unique team names in the results pane.

	TEAM_NAME
1	AmaZulu FC
2	Bloemfontein Celtic
3	Cape Town City
4	Chippa United
5	Golden Arrows
6	Kaizer Chiefs
7	Mamelodi Sundowns
8	Moroka Swallows
9	Orlando Pirates
10	Polokwane City
11	Richards Bay FC
12	Royal AM
13	Sekhukhune United
14	Stellenbosch FC
15	SuperSport United
16	TS Galaxy

--4. Count how many players are in each team.

```
SELECT COUNT(Player_Name) as team_player, team
FROM [dbo].[sa_soccer_dataset_advanced]
GROUP BY team;
```

	team_player	team
1	22	AmaZulu FC
2	17	Bloemfontein Celtic
3	15	Cape Town City
4	21	Chippa United
5	23	Golden Arrows
6	20	Kaizer Chiefs
7	19	Mamelodi Sundowns
8	19	Moroka Swallows
9	9	Orlando Pirates
10	27	Polokwane City
11	13	Richards Bay FC
12	18	Royal AM
13	17	Sekhukhune United
14	20	Stellenbosch FC
15	20	SuperSport United
16	20	TS Galaxy

--5. Identify the top 10 players with the most goals.

```
SELECT top 10 Player_name, goals
FROM [dbo].[sa_soccer_dataset_advanced]
ORDER BY goals DESC;
```

	Player_name	goals
1	Vusi Molefe	99
2	Thabo Ndlovu	98
3	Gugu Hlongwane	98
4	Thabo Sithole	98
5	Mandla Mabena	98
6	Mpho Mahlangu	97
7	Boitumelo Nkosi	96
8	Mpho Radebe	92
9	Khanyi Nkosi	92
10	Sipho Phiri	91

--6. Find the average salary for players in each team.

```
SELECT
    team,
    AVG(CAST(average_salary_zar AS float)) AS AVG_Salary_zar,
    COUNT(*) AS player_count
FROM [dbo].[sa_soccer_dataset_advanced]
GROUP BY team
ORDER BY AVG_Salary_zar DESC;
```

	team	AVG_Salary_zar	player_count
1	Royal AM	209078.331111111	18
2	Cape Town City	208407.432	15
3	Golden Arrows	199057.643913043	23
4	SuperSport United	195482.9785	20
5	Mamelodi Sundowns	194404.484736842	19
6	Richards Bay FC	193006.199230769	13
7	Kaizer Chiefs	188954.4615	20
8	Moroka Swallows	186786.827894737	19
9	TS Galaxy	184719.574	20
10	Stellenbosch FC	182326.7355	20
11	Chippa United	180947.634761905	21
12	Orlando Pirates	178570.593333333	9
13	AmaZulu FC	172467.569545455	22
14	Polokwane City	171738.877777778	27
15	Sekhukhune United	169945.162941176	17
16	Bloemfontein Celtic	163683.838823529	17

--7. Retrieve the top 10 players with the highest market value.

```
SELECT TOP 10 Player_name, Market_value_zar
FROM [dbo].[sa_soccer_dataset_advanced]
ORDER BY market_value_zar DESC
```

	Player_name	Market_value_zar	team
1	Ayanda Mabaso	24979190.35	Bloemfontein Celtic
2	Lebogang Mabena	24887821.58	Mamelodi Sundowns
3	Gugu Mashaba	24868294.94	Moroka Swallows
4	Kagiso Mokoena	24550182.81	Golden Arrows
5	Boitumelo Radebe	24540830.44	Sekhukhune United
6	Thabo Ndlovu	24380712.61	Mamelodi Sundowns
7	Sipho Mashaba	24342131.59	Golden Arrows
8	Lerato Ngobeni	24231618.07	AmaZulu FC
9	Thabo Tshabalala	24229791.64	Cape Town City
10	Lerato Tshabalala	24226785.17	Chippa United

--8. Calculate the average passing accuracy for each position.

```
SELECT
    position,
    AVG(TRY_CAST(passing_accuracy AS FLOAT)) AS average_passing_accuracy
FROM [dbo].[sa_soccer_dataset_advanced]
GROUP BY position
ORDER BY average_passing_accuracy DESC;
```

	position	average_passing_accuracy
1	Goalkeeper	83.9397058823529
2	Forward	83.210843373494
3	Midfielder	82.8177215189873
4	Defender	82.6642857142857

--9. Compare shot accuracy with goals to find correlations.

```
SELECT
    team,
    SUM(CAST(goals AS FLOAT)) AS total_goals,
    AVG(CAST(shot_accuracy AS FLOAT)) AS avg_shot_accuracy,
    COUNT(*) AS player_count
FROM [dbo].[sa_soccer_dataset_advanced]
WHERE TRY_CAST(goals AS FLOAT) IS NOT NULL
AND TRY_CAST(shot_accuracy AS FLOAT) IS NOT NULL
GROUP BY team
ORDER BY avg_shot_accuracy DESC;
```

	team	total_goals	avg_shot_accuracy	player_count
1	Cape Town City	374	69.8266666666667	15
2	Moroka Swallows	729	69.3736842105263	19
3	SuperSport United	580	68.055	20
4	Orlando Pirates	170	67.9222222222222	9
5	Stellenbosch FC	725	67.575	20
6	Sekhukhune United	842	67.2058823529412	17
7	Royal AM	544	66.5666666666667	18
8	Richards Bay FC	453	66.3230769230769	13
9	Golden Arrows	676	65.6521739130435	23
10	AmaZulu FC	546	63.6681818181818	22
11	Polokwane City	1300	63.6	27
12	Mamelodi Sundowns	570	63.1263157894737	19
13	Bloemfontein Celtic	613	63.0823529411765	17
14	TS Galaxy	541	63.06	20
15	Chippa United	684	61.2142857142857	21
16	Kaizer Chiefs	597	60.455	20

--10. Compute total goals and assists for each team.

```
SELECT
    team,
    SUM(CAST(goals AS FLOAT)) AS total_goals,
    SUM(CAST(assists AS FLOAT)) AS total_assists,
    SUM(CAST(goals AS FLOAT)) + SUM(CAST(assists AS FLOAT)) AS
total_goal_contributions,
    COUNT(*) AS player_count
FROM [dbo].[sa_soccer_dataset_advanced]
GROUP BY team
ORDER BY total_goal_contributions DESC;
```

	team	total_goals	total_assists	total_goal_contributions	player_count
1	Polokwane City	1300	783	2083	27
2	Sekhukhune United	842	608	1450	17
3	Stellenbosch FC	725	514	1239	20
4	Golden Arrows	676	519	1195	23
5	Moroka Swallows	729	452	1181	19
6	Bloemfontein Celtic	613	566	1179	17
7	AmaZulu FC	546	568	1114	22
8	SuperSport United	580	514	1094	20
9	Kaizer Chiefs	597	481	1078	20
10	Mamelodi Sundowns	570	475	1045	19
11	Royal AM	544	480	1024	18
12	Chippa United	684	205	889	21
13	TS Galaxy	541	337	878	20
14	Richards Bay FC	453	273	726	13
15	Cape Town City	374	284	658	15
16	Orlando Pirates	170	225	395	9

--11. Count players by their marital status.

```
SELECT
    marital_status,
    COUNT(player_name) AS Count_Players
FROM [dbo].[sa_soccer_dataset_advanced]
GROUP BY marital_status;
```

	marital_status	Count_Players
1	Divorced	78
2	Married	65
3	Single	79
4	Widowed	78

--12. Count players by nationality.

```
SELECT
    nationality,
    COUNT(player_name) AS player_count
FROM [dbo].[sa_soccer_dataset_advanced]
GROUP BY nationality
ORDER BY player_count DESC;
```

	nationality	player_count
1	Ghanaian	47
2	South African	46
3	Zimbabwean	45
4	Zambian	44
5	Malawian	42
6	Nigerian	39
7	Mozambican	37

--13. Find average market value grouped by nationality.

```
SELECT nationality,
    AVG(CAST(market_value_zar AS FLOAT)) AS avg_market_value_zar,
    COUNT(*) AS player_count
FROM [dbo].[sa_soccer_dataset_advanced]
GROUP BY nationality
ORDER BY avg_market_value_zar DESC;
```

	nationality	avg_market_value_zar	player_count
1	Nigerian	15069261.3964103	39
2	Mozambican	14736203.5943243	37
3	Zambian	12777043.0611364	44
4	Ghanaian	12298308.0365957	47
5	South African	12037870.2363043	46
6	Malawian	11727296.0554762	42
7	Zimbabwean	10367909.5322222	45

--14. Determine how many player contracts end in each year.

```
SELECT
    contract_end_year,
    COUNT(*) AS player_count
FROM [dbo].[sa_soccer_dataset_advanced]
WHERE contract_end_year IS NOT NULL
GROUP BY contract_end_year
ORDER BY contract_end_year;
```

	contract_end_year	player_count
1	2026	63
2	2027	70
3	2028	52
4	2029	50
5	2030	65

--15. Identify players whose contracts end next year.

```
SELECT Player_name,
    contract_end_year
FROM [dbo].[sa_soccer_dataset_advanced]
WHERE contract_end_year = 2026
ORDER BY player_name;
```

	Player_name	contract_end_year
1	Ayanda Mabaso	2026
2	Ayanda Sithole	2026
3	Boitumelo Radebe	2026
4	Gugu Mashaba	2026
5	Gugu Tshabalala	2026
6	Kagiso Molefe	2026
7	Kagiso Phiri	2026
8	Karabo Mokoena	2026
9	Karabo Molefe	2026
10	Karabo Mthembu	2026
11	Karabo Nkosi	2026
12	Khanyi Phiri	2026
13	Khanyi Tshabalala	2026
14	Lebogang Mashaba	2026
15	Lebogang Mashaba	2026
16	Lebogang Phiri	2026
17	Lerato Dlamini	2026
18	Lerato Mabena	2026
19	Lerato Sithole	2026
20	Lerato Tshabalala	2026
21	Lindiwe Mabaso	2026
22	Lindiwe Mabena	2026

✓ Query executed successfully.

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--16. Summarize the number of players by injury status.

```
SELECT
    injury_status,
    COUNT(*) AS player_count
FROM [dbo].[sa_soccer_dataset_advanced]
GROUP BY injury_status
ORDER BY player_count DESC;
```

	injury_status	player_count
1	Recovering	104
2	Healthy	99
3	Injured	97

--17. Calculate goals per match ratio for each player.

```
SELECT
    player_name,
    team,
    position,
    CAST(goals AS FLOAT) AS total_goals,
    CAST(matches_played AS FLOAT) AS total_matches,
    ROUND ( TRY_CAST(goals AS FLOAT) / NULLIF(TRY_CAST(matches_played AS FLOAT),
0),2) AS goals_per_match
FROM [dbo].[sa_soccer_dataset_advanced]
WHERE TRY_CAST(matches_played AS FLOAT) > 0
ORDER BY goals_per_match DESC;
```

	player_name	team	position	total_goals	total_matches	goals_per_match
1	Thembi Zulu	Sekhukhune United	Forward	72	3	24
2	Thabo Mthembu	Moroka Swallows	Forward	88	5	17.6
3	Gugu Tshabalala	TS Galaxy	Forward	57	9	6.33
4	Lindiwe Mabaso	Mamelodi Sundowns	Midfielder	67	13	5.15
5	Mpho Zulu	TS Galaxy	Goalkeeper	5	1	5
6	Sipho Tshabalala	Stellenbosch FC	Forward	110	26	4.23
7	Boitumelo Nkosi	Stellenbosch FC	Forward	96	25	3.84
8	Karabo Tshabalala	Stellenbosch FC	Forward	106	30	3.53
9	Lindiwe Zulu	Kaizer Chiefs	Forward	34	11	3.09
10	Sipho Phiri	Royal AM	Midfielder	91	33	2.76
11	Sipho Dlamini	TS Galaxy	Forward	43	22	1.95
12	Ayanda Sithole	Golden Arrows	Midfielder	107	60	1.78
13	Nomsa Mashaba	Royal AM	Midfielder	90	58	1.55
14	Thabo Ndlovu	Mamelodi Sundowns	Midfielder	60	40	1.5
15	Sibusiso Mabaso	TS Galaxy	Midfielder	104	78	1.33
16	Thabo Sithole	TS Galaxy	Midfielder	98	76	1.29
17	Thembi Dlamini	Golden Arrows	Forward	77	63	1.22
18	Kagiso Phiri	Richards Bay FC	Midfielder	117	101	1.16
19	Mpho Radebe	Polokwane City	Midfielder	92	83	1.11
20	Gugu Dlamini	Moroka Swallows	Forward	65	59	1.1
21	Thembi Mokoena	Sekhukhune United	Midfielder	90	86	1.05
22	Kagiso Mashaba	Polokwane City	Forward	64	62	1.03

Query executed successfully. | MHLANGA-BT (17.0 RTM) | MH

--18. Count how many players are managed by each agent.

```
SELECT agent,  
       COUNT(player_name)as number_of_players  
FROM [dbo].[sa_soccer_dataset_advanced]  
GROUP BY agent;
```

	agent	number_of_players
1	None	62
2	PlayerFirst	63
3	ProSport	62
4	SA Elite Agents	51
5	SoccerLink Africa	62

--19. Calculate average height and weight by player position.

```
SELECT  
    position,  
    ROUND(AVG(height_cm), 2) AS avg_height_cm,  
    ROUND(AVG(weight_kg), 2) AS avg_weight_kg,  
    COUNT(*) AS player_count  
FROM [dbo].[sa_soccer_dataset_advanced]  
WHERE height_cm IS NOT NULL  
    AND weight_kg IS NOT NULL  
GROUP BY position  
ORDER BY position;
```

	position	avg_height_cm	avg_weight_kg	player_count
1	Defender	182	78	70
2	Forward	179	78	83
3	Goalkeeper	179	78	68
4	Midfielder	179	76	79

--20. Identify players with the highest combined goals and assists.

```
SELECT  
    player_name,  
    team,  
    position,  
    CAST(goals AS FLOAT) AS total_goals,  
    CAST(assists AS FLOAT) AS total_assists,  
    (CAST(goals AS FLOAT) + CAST(assists AS FLOAT)) AS combined_goal_contributions  
FROM [dbo].[sa_soccer_dataset_advanced]  
ORDER BY combined_goal_contributions DESC;
```

	player_name	team	position	total_goals	total_assists	combined_goal_contributions
1	Siyanda Mabena	Sekhukhune United	Midfielder	118	75	193
2	Zanele Molefe	SuperSport United	Midfielder	116	76	192
3	Vusi Radebe	Stellenbosch FC	Midfielder	112	76	188
4	Ayanda Sithole	Golden Arrows	Midfielder	107	72	179
5	Ayanda Sithole	Bloemfontein Celtic	Midfielder	110	68	178
6	Vusi Molefe	Stellenbosch FC	Forward	99	77	176
7	Thembi Phiri	Royal AM	Midfielder	102	71	173
8	Gugu Mahlangu	Bloemfontein Celtic	Forward	106	65	171
9	Nokuthula Mabena	SuperSport United	Midfielder	114	53	167
10	Khanyi Baloyi	Bloemfontein Celtic	Forward	112	51	163
11	Zanele Phiri	TS Galaxy	Forward	117	44	161
12	Kagiso Dlamini	Golden Arrows	Forward	111	48	159
13	Thabo Phiri	Moroka Swallows	Forward	105	51	156
14	Karabo Tshabalala	Stellenbosch FC	Forward	106	49	155
15	Nomsa Khumalo	Moroka Swallows	Forward	82	73	155
16	Lindiwe Radebe	Chippa United	Forward	113	41	154
17	Nokuthula Dlamini	Polokwane City	Forward	109	44	153
18	Mandla Baloyi	Kaizer Chiefs	Midfielder	89	63	152
19	Boitumelo Nkosi	Stellenbosch FC	Forward	96	54	150
20	Karabo Phiri	Chippa United	Forward	114	29	143
21	Zanele Mabaso	Kaizer Chiefs	Forward	106	36	142
22	Kagiso Phiri	Richards Bay FC	Midfielder	117	25	142

Query executed successfully.

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